

AN - 1987-140294 [20]
 A - [001] 014 03& 06- 07& 07- 08& 09& 09- 15- 17- 19& 19- 20- 229 23& 236
 308 310 360 402 408 409 417 480 532 536 575 592 721
 AP - JP19850220884 19851002
 CPY - TKAK
 DC - A60 D21 E37 L02
 DR - 1508-P 1508-S 1521-P 1521-S 1541-P 1541-S 1544-P 1544-S 1694-P 1694-S
 1949-P 1949-S 1966-S
 FS - CPI
 IC - B01J2/16 ; B01J13/00
 KS - 0063 0066 0069 0072 0075 0105 0153 0205 0228 2199 2200 2218 2386 2394
 2572 2650
 MC - A08-R01 D08-B E31-P05A E35 L02-A02
 M3 - [01] A313 A426 A540 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807
 M411 M720 M903 M904 M910 N512 N513 Q254 Q451 Q452 Q453 R032; R01508-P
 R01521-P R01544-P; 8714-0 1286-M
 - [02] B114 B702 B720 B831 C108 C800 C802 C803 C804 C805 C807 M411 M720
 M903 M904 M910 N512 N513 Q254 Q451 Q452 Q453 R032; R01694-P; 8714-0
 1286-M
 - [03] A212 A313 A940 B114 B701 B712 B720 B831 C108 C802 C803 C804 C805
 C807 M411 M720 M903 M904 M910 N512 N513 Q254 Q451 Q452 Q453 R032;
 R01541-P R01949-P; 8714-0 1286-M
 - [04] A238 A256 A332 A422 A940 C108 C730 C801 C802 C803 C804 C805 C807
 M411 M720 M903 M904 N512 N513 Q254 Q451 Q452 Q453 R032; 8720-C6101-P;
 8714-0 1286-M
 PA - (TKAK) TEIKOKU KAKO CO LTD
 PN - JP62079841 A 19870413 DW198720 004pp
 PR - JP19850220884 19851002
 XA - C1987-058443
 XIC - B01J-002/16 ; B01J-013/00
 AB - J62079841 Inorganic spherical fine particles (1) are produced by the
 following steps; (i) inorganic fine powder (2) and inorganic sol
 material (3) are mixed (ii) the mixture is spray-dried and (iii) the
 obtd. powder is calcined and screened, when necessary.
 - (2) is Al₂O₃, SiO₂, ZrO₂, TiO₂, Fe₂O₃, BaTiO₃, SrTiO₃, PbTiO₃, talc,
 kaoline, etc.. The particle diameter of (2) is smaller than 1/10, e.g.
 (1/20), of that of (1) produced. (3) is silica sol, alumina sol,
 titania sol, zirconia sol, etc.. In order to produce truly spherical
 particles, the drying velocity of the mixture in the spray drying step
 should be controlled not to be too high. The temp. of the hot air used
 is 0-100 deg.C, e.g. 20-80 deg.C.
 - USE/ADVANTAGE - (1) is used as a raw material for prodn. of cosmetics,
 abrasives, catalytic support, ceramics, etc.. (1) has high fluidity
 and is easily dispersed in a resin.(0/0)
 CN - 8720-C6101-P R01508-P R01521-P R01541-P R01544-P R01694-P R01949-P
 DRL - 1286-M 8714-0
 IW - PRODUCE INORGANIC SPHERE FINE PARTICLE MIX INORGANIC POWDER SOL
 MATERIAL SPRAY DRY CALCINE SCREEN
 IKW - PRODUCE INORGANIC SPHERE FINE PARTICLE MIX INORGANIC POWDER SOL
 MATERIAL SPRAY DRY CALCINE SCREEN
 NC - 001

OPD - 1985-10-02

ORD - 1987-04-13

PAW - (TKAK) TEIKOKU KAKO CO LTD

TI - Prodn. of inorganic spherical fine particles - by mixing inorganic powder and sol. materials, spray-drying, calcining and screening